

**Patent** [19]

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**[54] AIR CLEANER**

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[51] Int. Cl.<sup>7</sup> F24F00700 ; B01D03914; F24F01104**[57] ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide an air cleaner, in which bad smell emitted from active carbon particularly upon operation resumption is reduced.

**SOLUTION:** A photocatalyst filter 12 and a UV lamp 13 facing to the filter 12 are provided downstream of an air cleaning filter 8. In a state of operation of the air cleaner, the fan 11 is driven, an outlet 3 is widely opened, and the UV lamp 13 is energized. The outlet 3 is tightly closed when the operation is stopped, and is half opened, when the operation is resumed, and is opened widely again after elapse of a predetermined time.

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